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AASHTO (American Association of State Highway and Transportation Officials)

AASHTO Provisional Standards. June 2003 Edition. AASHTO, 2003. (PS-06 2003)

Standard Specifications for Transportation Materials and Methods of Sampling and Testing. 23rd Edition. AASHTO, 2003. (HM-23 2003 parts 1A, 1B, 2A, 2B)

Transportation Research and Technology: AASHTO Reauthorization Policy Report. AASHTO Standing Committee on Research, April 2003. (388.0973 TRANSPO 2003)

NCHRP (National Cooperative Highway Research Program)

Additional Investigations on Driver Information Overload. Transportation Research Board, 2003. NCHRP Report 488. (625.7 N2131r 2003 no488)

Bridge Software-Validation Guidelines and Examples. Transportation Research Board, 2003. NCHRP Report 485. (625.7 N2131r 2003 no485)

Civil Rights in Transportation Projects. Transportation Research Board, June 2003. NCHRP Legal Research Digest No. 48. (625.7 LEGAL R no48)

Compensation for Contractors' Home Office Overhead. Transportation Research Board, 2003. NCHRP Synthesis 315. (625.7 N2131s 2003 no315)

Crash Experience Warrant for Traffic Signals. Transportation Research Board, 2003. NCHRP Report 491. (625.7 H2131r 2003 no491)

Design Exception Practices. Transportation Research Board, 2003. NCHRP Synthesis 316. (625.7 N2131s 2003 no316)

Design of Highway Bridges for Extreme Events. Transportation Research Board, 2003. NCHRP Report 489. (625.7 N2131r 2003 no489)

Effects of Subsurface Drainage on Performance of Asphalt and Concrete Pavements. Transportation Research Board, 2003. NCHRP Report 499. (625.7 N2131r 2003 no499)

Environmental Information Management and Decision Support System-Implementation Handbook. Transportation Research Board, 2003. NCHRP Report 481. (625.7 N2131r 2003 no481) Facilitating Partnerships in Transportation Research: A Synthesis of Highway Practice. Transportation Research Board, 2003. NCHRP Synthesis 312. (625.7 N2131s 2003 no312)

Guidance for Implementation of the AASHTO Strategic Highway Safety Plan. Volume 1, A Guide for Addressing Aggressive-Driving Collisions. Transportation Research Board, 2003. NCHRP Report 500. (625.7 N2131r 2003 no500 v1)

Guidance for Implementation of the AASHTO Strategic Highway Safety Plan. Volume 2, A Guide for Addressing Collisions Involving Unlicensed Drivers and Drivers with Suspended or Revoked Licenses. Transportation Research Board, 2003. NCHRP Report 500. (625.7 N2131r no500 v2)

Guidance for Implementation of the AASHTO Strategic Highway Safety Plan. Volume 3, A Guide for Addressing Collisions with Trees in Hazardous Locations. Transportation Research Board, 2003. NCHRP Report 500. (625.7 N2131r no500 v3)

Guidance for Implementation of the AASHTO Strategic Highway Safety Plan. Volume 4, A Guide for Addressing Head-On Collisions. Transportation Research Board, 2003. NCHRP Report 500. (625.7 N2131r no500 v4)

Guidance for Implementation of the AASHTO Strategic Highway Safety Plan. Volume 5, A Guide for Addressing Unsignalized Intersection Collisions.

Transportation Research Board, 2003. NCHRP Report 500. (625.7 N2131r no500 v5)

Performance Measures of Operational Effectiveness for Highway Segments and Systems: A Synthesis of Highway Practice. Transportation Research Board, 2003. NCHRP Synthesis 311. (625.7 N2131s 2003 no311)

Roadside Safety Analysis Program (RSAP)-Engineer's Manual. Transportation Research Board, 2003. (625.7 N2131r 2003 no492)

State DOT Outsourcing and Private-Sector Utilization. Transportation Research Board, 2003. NCHRP Synthesis 313. (625.7 N2131s 2003 no313)

Strategies for Managing Increasing Truck Traffic. Transportation Research Board, 2003. NCHRP Synthesis 314. (625.7 N2131s 2003 no314)

Structural Supports for Highway Signs, Luminaires, and Traffic Signals.

Transportation Research Board, 2003. NCHRP Report 494. (625.7 N2131r 2003 no494)

Systemwide Impact of Safety and Traffic Operations Design Decisions for 3R **Projects.** Transportation Research Board, 2003. NCHRP Report 486. 625.7 N2131r 2002 no486

TCRP (Transit Cooperative Research Program)

Bus Rapid Transit. Volume 1: Case Studies in Bus Rapid Transit. Transportation Research Board, 2003. TCRP Report 90. (388.4097 TCRP RPT 2003 no90)

Characteristics of State Funding for Public Transportation—2002. Transportation Research Board, July 2003. TCRP Research Results Digest No. 60. (388.4097 RESEARC No. 60)

Corporate Culture as the Driver of Transit Leadership Practices. Transportation Research Board, 2003. TCRP Synthesis 47. (388.4097 TCRP SYNTH 2003 no47)

Strategies for Improved Traveler Information. Transportation Research Board, 2003. TCRP Report 92. (388.4097 TCRP RPT 2003 no92)

REFERENCE

American National Standard Vehicle-Mounted Elevating and Rotating Aerial Devices. American National Standards Institute, 2001. (ANSI/SIA A92.2 2001)

CSG State Directory: Directory 1-Elective Officials 2003. Council of State Governments, 2003. (R 353.9 CSG STA 2003)

Capital Assets Inventory Manual. Washington State Dept. of Transportation, 2003. (MANUAL M 72-89)

International Building Code. International Code Council, Inc., 2003. (R 343.7307 INTERNA 2003)

International Fire Code. International Code Council, Inc., 2003. (R 344.7305 INTERNA 2003)

Motor Vehicle Facts & Figures: Documenting the Performance and Impact of the U.S. Auto Industry. Wards Communications, 2002. (R 629.2 WARDS 2002)

ACCIDENT STUDIES & DRIVER BEHAVIOR

Alcohol Involvement in Fatal Crashes 2001. National Highway Traffic Safety Administration; National Center for Statistics and Analysis, April 2003. (363.1251 ALCOHOL 2001)

An Analysis of Fatal Large Truck Crashes. National Center for Statistics and Analysis Advanced Research and Analysis, 2003. (363.1259 ANALYSI 2003)

Pedestrian Roadway Fatalities. Umesh Shankar. U.S. Dept. of Transportation, 2003. (363.125 SHANKAR 2003)

National Survey of Distracted and Drowsy Driving Attitudes and Behavior, 2002. Volume 1: Findings Report. Dawn Royal, 2003. (629.283 ROYAL 2003)

BICYCLES & PEDESTRIANS

Pedestrian Facilities Users Guide: Providing Safety and Mobility. FHWA Turner-Fairbank Highway Research Center, 2003. (711.74 PEDESTR 2002)

BRIDGES

Washington State Bridge Inspection Manual. Washington State Dept. of Transportation, 2002. (MANUAL M36-64)

CONCRETE

Transport Properties and Durability of Concrete: Literature Review and Research Plan. U.S. Dept. of Transportation, 2002. (620.13 TRANSPO 2002)

Prestressed Beam End Reinforcement and Camber. Maher K. Tadros, Nebraska Dept. of Roads, 2003. (624.1834 TADROS 2003)

CONFERENCE PROCEEDINGS

Crossing Borders: Travel, Trade, Security and Communication. Proceedings of the 38th Annual Conference. Canadian Transportation Research Forum, 2003. (388.0971 CANADIA 2003 v1 & v2)

Eighth International Conference on Low-Volume Roads 2003. Transportation Research Board, 2003. Transportation Research Record no. 1819. (625 HRR 2003 no1819 v1 & v2)

Millennium Edition Proceedings. American Association of Railroad Superintendents, 2000-2002. (385.0609 AMERICA 2000-02)

Ninth International Bridge Management Conference. Transportation Research Board, 2003. Transportation Research Circular E-C049. (625.7 H528hc 2003 noE-C049)

Proceedings of the 21st ARRB and the 11th REAAA Conference. Transport: Our Highway to a Sustainable Future. Australian Road Research Board; Road Engineering Association of Asia and Australasia, 2003. (CDROM 625.7 AUSTRAL 2003)

ECONOMICS & FINANCE

Economics, Valuation and Environmental Policy: an Introduction for Non-Economists. U.S. EPA Region 10 Workshop, April 2003. (333.7209 ECONOMI 2003)

Efficient Allocation of Financial and Budgetary Resources. PIARC-World Road Association, 2000. (388.068 EFFICIE 2000)

Environmental Benefit/Cost Assessment System: Report. Prepared for Washington State Dept. of Transportation by ECONorthwest; Shapiro & Associates; Stephan Sefcik, 2002. (388.0979 ENVIRON 2002)

Environmental Investment Identified in Mega Transportation Projects: a Report from Cost Estimating Validation Process (CEVP). George C. Xu. Washington State Dept. of Transportation, 2003. (388.0979 XU GEOR 2003)

Innovative Project Delivery Methods for Infrastructure: An International Perspective. Pekka Pakkala, 2002. (388.11 PAKKALA 2002)

Public/Private Partnerships III: Engines for Innovation in Transportation. U.S. Dept. of Transportation, 2002. (629.04 PUBLIC 2002)

Regional Economic and Demographic Data Base, Modeling and Forecasting: Database for Puget Sound Region. Dick Conway & Associates, 2002. (338.5442 REGIONA 2002)

Transportation Finance 1989-2000 : Puget Sound Milestones. Puget Sound Regional Council, 2003. (330.9797 PUGET 2003)

ENVIRONMENTAL IMPACT STATEMENTS

Guidelines for Preparing Economic Analyses. U.S. Environmental Protection Agency, 2000. (363.7 GUIDELI 2000)

I-405 Corridor Program: Addendum & Errata to the Final Environmental Impact Statement. Washington State Dept. of Transportation, 2003. (333.77 INTERST 2003)

Second Nature: Improving Transportation Without Putting Nature Second. Patricia A. White and Michelle Ernst. Defenders of Wildlife; Surface Transportation Policy Project, 2003. (388.0973 WHITE 2003)

FERRIES

Fast Ferry Operations and Issues. Maine Dept. of Transportation, 2003. (386.2234 LIBBY 2003)

Report of the Legislature's Joint Task Force on Ferries: as Approved by the Task Force Members, January 15, 2001. Washington State Ferries, 2001. (LEG STU 2001-2)

GEOGRAPHIC INFORMATION SYSTEMS

Rural Public Transportation: Using Geographic Information Systems to Guide Service Planning. Thomas Sanchez, 2002. (910.285 SANCHEZ 2002)

HIGH OCCUPANCY VEHICLE LANES

HOT Networks: A New Plan for Congestion Relief and Better Transit. Robert W. Poole. Reason Foundation, 2003. (388.3143 POOLE 2003)

INFORMATION SYSTEMS

TravelAid. Washington State Dept. of Transportation, 2001. (388.312 TRAVELA 2001)

INTELLIGENT TRANSPORTATION SYSTEM (ITS)

511 National Progress Report. 511 Deployment Coalition, 2003. (388.3124 FIVE 2003)

MATERIALS & CONSTRUCTION

Laboratory Evaluation of Waterborne Coatings on Steel. U.S. Dept. of Transportation, 2003. (667.9 CHONG 2003)

PARKING

Park-and-Ride Planning and Design Guidelines. Robert J. Spillar, P.E., 1997. (388.474 SPILLAR 1997)

PAVEMENT

Assessment of Selected LTPP Material: Data Tables and Development of Representative Test Tables. U.S. Dept. of Transportation, 2003. (625.8 ASSESSM 2003)

Development of a Tire/Pavement Contact-Stress Model Based on Artificial Neural Networks. Moustafa El-Gindy, Pennsylvania Transportation Institute, 2001. (629.2482 EL GINDY 2001)

PLANNING & POLICY

The Conservation-Minded Citizen's Guide to Transportation Planning: How to Get Involved in Minimizing the Impacts of Roads on Florida's Wildlife. Defenders of Wildlife, 2003. (388.1097 CONSERV 2003)

PUBLIC TRANSPORTATION

Advanced Public Transportation Systems: the State of the Art: Update 2000. U.S. Dept. of Transportation, 2000. (388.4 ADVANCE 2000)

Headway Deviation Effects on Bus Passenger Loads: Analysis of Tri-Met's Archived AVL-APC Data. TransNow, 2003. (388.322 STRATHM 2003)

Intercity Passenger Rail Transportation. AASHTO, Standing Committee on Rail Transportation, 2002. (385.22 INTERCI 2002)

Public Transportation Security. Volume 3, Robotic Devices: A Guide for the Transit Environment. Transportation Research Board, 2003. TCRP Report 86. (388.4097 TCRP RPT 2003 no86 v3)

QUALITY CONTROL & PERFORMANCE MEASUREMENT

Measures, Markers and Mileposts: The Gray Notebook for the quarter ending June 30, 2002. WSDOT's quarterly report to the Washington State Transportation Commission on transportation programs and department management. Washington State Dept. of Transportation, 2003. (399.0979 WASHING 2003 Jun 30)

Optimal Procedures for Quality Assurance Specifications. FHWA Turner-Fairbank Highway Research Center, 2003. (658.562 OPTIMAL 2003)

Transportation Benchmarks Implementation Report. Summary report on the implementation of transportation benchmarks codified in RCW 47.01.012.

Washington State Dept. of Transportation, 2003. (388.0979 WASHING 2003)

REAL ESTATE

Public Power, Private Gain: A Five Year, State-By-State Report Examining the Abuse of Eminent Domain. Dana Berliner, 2003. (343.0252 BERLINE 2003)

ROAD DESIGN & MAINTENANCE

Guidelines on the Use of Thermistor and Time Domain Reflectometry Instrumentation for Spring Thaw Road Management on Low-Volume Asphalt Roads. Gordon L. Hanek, Umpqua National Forest, USDA Forest Service, 2001. (625.761 HANEK 2001)

ROUNDABOUTS

Driving Modern Roundabouts [videorecording] : rules of the road. Produced in cooperation with the Washington State Dept. of Transportation, City of Lacey, City of Olympia, 2002. (VIDEO 388.411 DRIVING 2002)

SAFETY

Costs-Benefit Analysis of Road Safety Improvements. ICF Consulting, Ltd. with Imperial College Centre for Transport Studies, 2003. (363.125 COSTS 2003)

Effective Commercial Truck and Bus Safety Management Techniques. Commercial Truck and Bus Safety Synthesis 1. Transportation Research Board, 2003. (363.1259 COMMERC 2003 no1)

Highway/Heavy Vehicles Interaction. Commercial Truck and Bus Safety Synthesis 3. (363.1259 COMMERC 2003 no3)

Roadway Lighting and Driver Safety. Kentucky Transportation Center, 2003. (388.312 ROADWAY 2003)

Security Measures in the Commercial Trucking and Bus Industries. Commercial Truck and Bus Safety Synthesis 2. Transportation Research Board, 2003. (363.1259 COMMERC 2003 no2)

WSDOT Incident Response Team : Standard Operating Procedures. Working Draft, December 12, 2002. Washington State Dept. of Transportation, Incident Response Team, 2002. (363.125 WASHING 2002)

SOIL & SOIL STABILIZATION

Soil Bioengineering as an Alternative for Roadside Management: Case Study of Benefit-Cost Analysis. Washington State Dept. of Transportation, 2001. (625.7709 SOIL BI 2001)

STATISTICS & DATA COLLECTION

Fuel Taxes: A State-by-State Comparison. Washington State Dept. of Transportation, Strategic Planning and Programming, June 2003. (R 336.2786 FUEL Jun 2003)

Highway Statistics 2001. U.S. Dept. of Transportation, 2001. (R 388.1097 HIGHWAY 2001)

State Highway Log: Planning Report. Washington State Dept. of Transportation, 2003. (388 H531sf 2003)

STORMWATER MANAGEMENT

Assessment and Modeling of Stream Mitigation Procedures. Bernadette Dupont and Sudhir Palle. Kentucky Transportation Center, 2003. (333.9162 DUPONT 2003)

Cost Analysis: Washington Department of Ecology Year 2001 Minimum Requirements for Stormwater Management. Washington State Dept. of Transportation; Washington State Dept. of Ecology, 2001. (628.21 COST AN 2001)

Cost Survey : Stormwater Management Facilities. Herrera Environmental Consultants, 2001. (628.21 COST SU 2001)

STRUCTURES DESIGN & MAINTENANCE

Development of a Steel H-Section Temporary Barrier For Use in Limited Deflection Applications. Midwest Roadside Safety Facility, Univ. of Nebraska-Lincoln, 2003. (625.795 DEVELOP 2003)

Development of Standards for Placement of Steel Guardrail Posts in Rock. Midwest Roadside Safety Facility, Univ. of Nebraska-Lincoln, 2003. (625.795 DEVELOP 2003b)

Guidelines for Selecting Roadway Cross Sections in Developing Urban/Suburban Areas. Tennessee State Dept. of Transportation, 1991. (388.13 GUIDELI 1991)

Temporary Rumble Strips. Rickey L. Morgan. New York State Dept. of Transportation, 2003. (625.794 MORGAN 2003)

TRAFFIC FLOW & TRAFFIC ESTIMATION

Washington State Speed Report, Second Quarter of Calendar Year 2003. Washington State Dept. of Transportation, Transportation Data Office, 2003. (388.3144 QUARTER 2003 2nd qtr.)

TRAFFIC SIGNS AND SIGNALS

A Cost Recovery System for Speed and Red-Light Cameras: Two Year Pilot Evaluation. Adrian Gains. Great Britain Dept. of Transportation, 2003. (388.312 GAINS 2003)

Evaluation of Post-Interchange Guide Signs. Monica Barrett. Kentucky Transportation Center, 2002. (388.3122 BARRETT 2002)

Red Light Running: a Policy Review. Texas Transportation Center, 2003. (388.31 RED LIG 2003)

TRAINING

European Practices in Transportation Workforce Development. FHWA International Technology Exchange Program, 2003. (331.2592 EUROPEA 2003)

SURVEYING

Basic Surveying: Supervisor's Manual. Washington State Dept. of Transportation, 2001. (MANUAL)